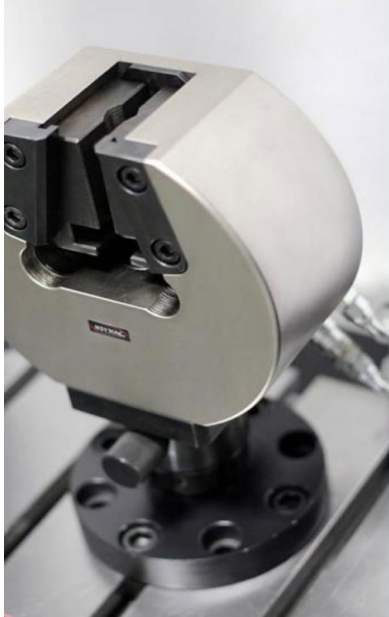## Tensile Testing Machine
HM-D
Lab Series

MPM is an authorized distributer of Hoytom Universal Testing Machines. MPM provides installation, maintenance, and calibration services for all equipment sold within the USA.

The HM-D model, which is part of the Hoytom LAB series, is made with nominal load capacities between 5 and 1000 kN. The high capacity load cell provides maximum accuracy across the entire measurement range. It can also be equipped with a large range of fixtures such as: tensile grips, T-Slotted plates, compression plates, bending tools, extensometers, etc. Each machine includes the Hoytom HoyWin® test control software and custom designed electronics. This enables users to achieve maximum performance and accuracy through a simple and intuitive interface. Typical test applications include high strength steel, aerospace and automotive structures, screws, nuts, etc.

1. Extremely ridged frame
   o   For minimum deformation during testing
2. Preloaded precision spindles
3. HBM® load cell
4. STARK® transmission system
   o   More rigid, more efficiency and less noise
5. HoyWin® Software (several languages)
6. 21.5 inch touch Screen
7. Computer integrated in the machine
8. Remote Control

Technical Characteristics

Capacity kN	100	200-300	400-600	1000
Maximum speed in/min	23.6	23.6	13.8	9.8
Travel in	43.3 (53.1)	43.3 (53.1)	57.1	61
Maximum vertical space in	50.2 (60)	50.2 (60)	65	67
Grip separation in	28.5 (38.4)	25.2 (35)	28	29.5
Column spacing in	22.2	22.2	25	25
Standard Dimensions (WxDxH) ft-in	3'7x2'0x6'11(7'9)	3'7x2'0x6'11(7'9)	3'10x2'11x7'7	3'8x3'1x9'0
Weight lb	1874	1984	4409	6614
Power supply V	380 (3 phase)			

Force Transducer

Machine accuracy (Class) ISO 7500 and ASTM E4	0.5
Range	0.4% - 100% FS
Resolution	0.001% FS

Displacement Transducer

Type	Incremental encoder on servomotor
Resolution	< 0.000039 in
Precision	< 0.1%

Optional Accessories:

Universal Grips	Wedges for Grips

Compression Plates	Bending Fixtures

Safety Guard	Extensometers

Compression Extensometer	Shear

Special Fixtures	T-slotted Base Plate

Marshall & CBR Push Pistons	Ergonomic Base

| Double Test Area | Special Height |